APPLI-TEC
ADVANCED THERMOSET SOLUTIONS

6007

Key Features

Bonds Well To Most Substrates
Deep UV Cure
Free Flowing
Full Shadow Cure With Heat
Ideal For Fiber Optic Applications
Meets NASA Outgassing Requirements
Changes Color Once Cured

Uncured

Pot Life @ 25°C: 18 hours
Viscosity @ 25°C: 1,300 cPs
Color: Amber
Shelf Life @ -18°C: 6 Weeks
Shelf Life @ -40°C: 12 Months

Cure Options

3 J/cm^2 + 30 minutes @ 120°C
3 J/cm^2 + 2 hours @ 96°C

Cured Properties

(Based on cure of 3 J/cm^2 + 30 minutes @ 120°C)

Color	Red
Shore D Hardness	85
Glass Transition Temp (°C)	135
Density (g/cc)	1.1
Lap Shear 2024T3 Clad (psi)	2,300

Product Description:

6007 is a 100% solids, electrically isolating, heat curable UV acrylate, precision mixed, degassed, and frozen adhesive that is ideal for fiber optic applications. This material is free flowing and changes color from amber to red when cured. 6007 features a deep UV cure which will form high strength bonds to most substrates such as metals, ceramic, glass, and most plastics and will finish curing with the application of heat. This cure method is excellent when rapid de-fixturing is required. This adhesive passes the NASA outgassing requirements.

Thermal Properties

(Based on cure of 3 J/cm^2 + 30 minutes @ 120°C)

Glass Transition Temp (°C)	135

Outgassing Properties

(Based on cure of 3 J/cm^2 + 30 minutes @ 120°C)

TML (%)	0.38
CVCM (%)	0.01
WVR (%)	0.24

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